CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.10/CSR.5/830a/CEMENT/2014-15

Date: 04.05.2015

TEST REPORT ON CEMENT

*** CUSTOMER**	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
***AGENCY**	:	**Mr. Krishnagowda .N. Patil,** No. 57/7, 2nd Main Road, Ganganagara Layout, Ganganagara, R.T. Nagara (P), Bangalore – 32.
***NAME OF THE WORK**	:	Providing and Erection of Rain Water Recharging pits in the main road cross roads layouts of Ward No.10, Vidyaranyapura Sub Division, BBMP, Bangalore.
REFERENCE	:	EE/BTP/BBMP/E-PMT/356/2014-15 Dated: 24.03.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	02.05.2015
PERIOD OF TESTING	:	02.05.2015 to 04.05.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	490 Minutes	Not More than 600 Minutes
	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH .C
Quality Manager

Accepted

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ.
ಬ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
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Job No.: CTCE/BBMP/KRIDL/W.No.10/CSR.5/830a/SAND-Gradation/2014-15 : 04.05.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

*** Customer** : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. Krishnagowda .N. Patil,**
No. 57/7, 2nd Main Road, Ganganagara Layout, Ganganagara, R.T. Nagara (P), Bangalore – 32.

*** Name of Work** : Providing and Erection of Rain Water Recharging pits in the main road cross roads layouts of Ward No.10, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/356/2014-15 Dated: 24.03.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 02.05.2015

Date of Testing : 04.05.2015

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	0	0	100	100
4.75	92.74	90-100	90-100	90-100	95-100
2.36	81.22	60-95	75-100	85-100	95-100
1.18	48.86	30-70	55-90	75-100	90-100
600 Micron	26.39	15-34	35-59	60-79	80-100
300 Micron	11.83	5-20	8-30	12-40	15-50
150 Micron	3.57	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

AE-10

Accepted

Remarks : This sample is under Zone-I specific limits.

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****

VISHWANATH .C
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
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Job No.: CTCE/BBMP/KRIDL/W.No.10/CSR.5/830a/AGG/GR/2014-15 : 05.05.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

*** Customer** : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. Krishnagowda .N. Patil,**
No. 57/7, 2nd Main Road, Ganganagara Layout, Ganganagara, R.T. Nagara (P), Bangalore – 32.

*** Name of Work** : Providing and Erection of Rain Water Recharging pits in the main road cross roads layouts of Ward No.10, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/356/2014-15 Dated: 24.03.2015

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm)

Sample Received on : 02.05.2015

Date of Testing : 05.05.2015

Total Wt. of Aggregates in gms= **10000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.15	95-100	85-100
20	37.55	30-70	0-20
10	15.10	10-35	0-5
4.75	2.60	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

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****

VISHWANATH .C
Quality Manager

AE-10
Accepted
Received

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Job No.: CTCE/BBMP/KRIDL/W.No.10/CSR.5/830a/AGG/GR/2014-15 : 05.05.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

*** Customer** : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. Krishnagowda .N. Patil,**
No. 57/7, 2nd Main Road, Ganganagara Layout, Ganganagara, R.T. Nagara (P), Bangalore – 32.

*** Name of Work** : Providing and Erection of Rain Water Recharging pits in the main road cross roads layouts of Ward No.10, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/356/2014-15 Dated: 24.03.2015

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (20mm)

Sample Received on : 02.05.2015

Date of Testing : 05.05.2015

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2007)	
		Graded	Single Sized
40	100	100	100
20	96.10	95-100	85-100
10	38.98	25-55	0-20
4.75	5.08	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

AE-10
Accepted

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****

VISHWANATH .C
Quality Manager

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